BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of work: Estimate for Construction of 3 Bus Stops in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.

								Estimate Cost Rs.	**2000000.00**
Sl No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**	**Rate**	**Amount**
1	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in **hard soil** not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5, **No. 5 / Item No. 2.4 / PWD SR 2013-14**	Cum							
	For Columns for two Bus Shulters		12	1.50	1.50	1.50	40.50		
			3	25.30	0.90	1.20	81.97		
							122.47	223.66	**27392.00**
	Basic Rate	211.00							
	Area Weightage @ 6%	12.66							
	Total	**223.66**							
2	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs** using 40mm and down size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **(P.12 / I.4.3 PWD SR - 2013-14)**	Cum							
	For Columns for two Bus Shulters		12	1.50	1.50	0.15	4.05		
			3	25.30	0.90	0.15	10.25		
			1	9.14	0.90	0.15	1.23		
			2	4.00	0.90	0.15	1.08		
							16.61	4211.38	**69953.00**
	Basic Rate	3973.00							
	Area Weightage @ 6%	238.38							
	Total	**4211.38**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammered dressed in courses not less than 20 cms high, bond stones, at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **PWD SR 2013-14 (Page No. 25 / Item No. 5.6**	Cum							
			3	25.30	0.75	0.60	34.16		
							34.16		
	Deduction for Columns		12	1.20	0.75	0.60	-6.48		
							27.68	3484.22	**96426.00**
	Basic Rate	3287.00							
	Area Weightage @ 6%	197.22							
	Total	**3484.22**							
4	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement** with **cement mortar 1:6**, edges of stone chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specification. KBS 5.1.13 **(P.26/I.5.9) PWD SR 2013-14**	Cum							
			3	25.30	0.45	0.45	15.37		
							15.37		
	Dedution For Columns		12	0.45	0.23	0.45	-0.56		
							14.81	4148.84	**61448.00**
	Basic Rate	3914.00							
	Area Weightage @ 6%	234.84							
	Total	**4148.84**							
5	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of **columns** for mass concrete including cost of all materials, labour complete as per specifications.Specification NO. KBS 4.6.2 **Page No. 16/ Item No. 4.28/ PWD SR 2013-14**	Sqm							
	Column Footing		12	6.00		0.90	64.80		
	Columns		12	1.84		3.50	77.28		
	Plinth		2	25.30		0.20	10.12		
	Tie Beam		2	25.30		0.30	15.18		
							167.38	220.48	**36904.00**
	Basic Rate	208.00							
	Area Weightage @ 6%	12.48							
	Total	**220.48**							

Sl	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
6	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, **roofs** landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **(P.16 / I.4.29) PWD SR 2013-14**	Sqm							
	Roof Slab		3	9.30		4.00	111.60		
	Roof Sides		6	9.30		0.15	8.37		
			6	3.73		0.15	3.36		
							123.33	284.08	**35035.00**
	Basic Rate	268.00							
	Area Weightage @ 6%	16.08							
	Total	284.08							
7	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. **Page No. 19 / Item No. 4.48.1/ PWD SR 2013-14**	Cum							
	Column Footing		12	1.50	1.50	0.90	24.30		
	Columns		12	0.46	0.46	3.50	8.89		
	Plinth		1	25.30	0.46	0.20	2.33		
	Roof Slab		1	9.30	4.00	0.15	5.58		
	Tie Beam		1	25.30	0.23	0.30	1.75		
							42.84	6345.16	**271830.00**
	Basic Rate	5986.00							
	Area Weightage @ 6%	359.16							
	Total	**6345.16**							
8	KSRB 4.9.1: Providing Mild steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19/ Item No. 4.45/ PWD SR 2012-13**	Qtl							
	125 Kg / Cum		1.25	42.84			53.55		

Sl	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							53.55	7312.94	**391613.00**
	Basic Rate	6899.00							
	Area Weightage @ 6%	413.94							
	Total	**7312.94**							
9	KSRB 6-5.3 : Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of **class designation 50 (table moulded) with cement mortar 1:6 for basement and superstructure** including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2 **Page No. 32 / Item No. 6.17 / PWD SR 2013-14**	Cum							
	Long Wall		3	9.14	0.23	2.00	12.61		
	Short Wall		6	3.73	0.23	2.00	10.29		
							22.91	5789.72	**132631.00**
	Basic Rate	5462.00							
	Area Weightage @ 6%	327.72							
	Total	**5789.72**							
10	KSRB 10-2: Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc, consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75kg/sqm conforming admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment, (b) laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junction of walls and slabs, (c) after two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mo	Sqm							
	Roof Top		3	9.30	4.00		111.60		
							111.60	779.10	**86948.00**
	Basic Rate	735.00							
	Area Weightage @ 6%	44.10							
	Total	**779.10**							

Sl	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
11	KSRB 15.3.13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 123 / Item No. 15.21 / PWD SR -2013-14**	Sqm							
			3	8.92	3.73		99.81		
							99.81	163.24	**16294.00**
	Basic Rate	154.00							
	Area Weightage @ 6%	9.24							
	Total	**163.24**							
12	KSRB 15.3.11 :Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 123 / Item No. 15.19 / PWD SR 2013-14 (Inside wall)**	Sqm							
	Inside wall Hall		3	8.92	2.00		53.52		
			6	3.73	2.00		44.76		
							98.28	199.28	**19585.00**
	Basic Rate	188.00							
	Area Weightage @ 6%	11.28							
	Total	**199.28**							
13	KSRB 15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. **(P. 124 / l. 15.33 PWD SR - 2013-14**	Sqm							
			Qty Vide Item No. 18+19				**198.09**	19.08	**3780.00**
	Basic Rate	18.00							
	Area Weightage @ 6%	1.08							
	Total	**19.08**							
14	KSRB 15.3.9: Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications **Page No. 123 / Item No. 15.17 / PWD SR 2013-14 (Out side Wall)**	Sqm							
	Out Side		3	9.14		2.00	54.84		
			6	3.96		2.00	47.52		
							102.36	165.36	**16926.00**
	Basic Rate	156.00							
	Area Weightage @ 6%	9.36							
	Total	**165.36**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
15	Providing & fixing Granite Seating with necessary fitings etc complete and as per directions of Engineer-In-Charge.	Sqm							
			3	8.92	0.45		12.04		
			6	3.73	0.45		10.07		
							22.11	3510.00	**77617.00**
16	KSRB 4-1.6 : Providing and laying in position plain cement concrete of **mix M15 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. **No. 12/ Item No. 4.6/ PWD SR 2013-14**	Cum							
	Flooring		3	8.92	3.73	0.15	14.97		
	Front		3	9.14	1.00	0.15	4.11		
							19.09	4690.50	**89519.00**
	Basic Rate	4425.00							
	Area Weightage @ 6%	265.50							
	Total	**4690.50**							
17	Providing and laying flooring using pre polishing water cut/gang saw 19 mm thick Granite slab over existing cement concrete bed in CM 1:4 average 20mm thick pointed with white cement / colour pigment etc., complete. **using grey granite Page No. 117 / Item No. 14.47.1 / PWD SR 2013-14**	Sqm							
			3	8.92	3.73		99.81		
			3	8.92	0.10		2.68		
			6	3.73	0.10		2.24		
							104.73	2067.00	**216474.00**
	Basic Rate	1950.00							
	Area Weightage @ 6%	117.00							
	Total	**2067.00**							
18	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including curing etc., **Page No. 117 / Item No. 14.49 / PWD SR 2013-14**	Sqm							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			12	1.80		2.50	54.00		
							54.00	4326.92	**233654.00**
	Basic Rate	4082.00							
	Area Weightage @ 6%	244.92							
	Total	**4326.92**							
19	KSRB 10-2 :- Providing and laying in position yelahanka tiles of size 250x250mm of approved quality and make, over a bed of cement mortar 1:3 an average thickness 25mm over weather proof course and pointed with cement mortar 1:3 mix with red oxide including curing cost of materials, labour complete as per specification. Specification No. KBS, **Page No. 69 / Item No. 10.1 / PWD SR 2013-14**	Sqm							
			3	9.30	4.00		111.60		
							111.60	673.10	**75118.00**
	Basic Rate	635.00							
	Area Weightage @ 6%	38.10							
	Total	**673.10**							
20	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foregin matter including preparing the surface even and sand paper smooth, cost of materials, labours, complete as per specifications **Page No. 124 / Item No. 15.49 PWD SR 2013-14**	Sqm							
			Qty Vide Item No.18+19				198.09		
							198.09	59.36	**11759.00**
	Basic Rate	56.00							
	Area Weightage @ 6%	3.36							
	Total	**59.36**							
21	KSRB 15-16.1: providing and finishing external walls in tow coats with water proof cement paint of approve brand and shade to give an even shade after thourghly brooming the surface to remove all dirt and losse powdered material, free from mortar dops and other foreign matter cost of materials, labours, complete as per specifications **PWD SR 2013-14 (P.127 / I.15.53.2) with Primer**	Cum							
			Qty Vide Item No.21				102.36		
							102.36	78.44	**8029.00**
	Basic Rate	74.00							
	Area Weightage @ 6%	4.44							
	Total	**78.44**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
22	Sub Total								1978935.00
23	Third Party Inspection Charges @ 1%								19789.00
24	Miscesalaneous Charges								1276.00
							Total		2000000.00

(Rupees Twenty Lakhs Only)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2013-14.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer 6/9/2014
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Technical Sanction for Rs.....
"20.00" lakh Rs
.....
.....orded under head..... P-3055
.....
.....
.....ced as CE No. 77 Dt: 29.10.14 Subject
.....editions contained in enclosed memo
...../.....Dr.....

AE TA SE (BTP) EE (BTP)

Technical Sanction for Rs.....
"20.00 (Lakhs)"
Twenty only P-3055
.....
.....
Registered as CE No. 173 29-10-14 Subject
to conditions contained in enclosed memo
No: 33 /.....Dr.....

29/10/2014